

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| S1    | 174897 | "438"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/08 15:15 |
| S2    | 188    | S1 and under near bump near metallization   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/25 15:21 |
| S3    | 48     | S2 and solder near bump and resin   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/25 15:57 |
| S4    | 4      | ((("20030203049") or ("6730617")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/01/08 10:45 |
| S5    | 2      | ("6897089").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/01/08 10:46 |
| S6    | 6      | S4 or S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/08 10:46 |
| S7    | 1      | S6 and polymer and bond same pad  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/08 10:50 |
| S8    | 0      | polymer and (bond near5 pad) and (inprint\$3 same polymer) and (solder near4 bump) and passivation near10 polymer | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/08 10:54 |

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|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S9  | 0  | polymer and (bond near5 pad) and (imprint\$3 same polymer) and (solder near4 bump)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 10:54 |
| S10 | 0  | polymer and (bond near5 pad) and (imprint\$3 same polymer) and (solder near4 bump) and passivation near10 polymer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 10:54 |
| S11 | 15 | polymer and (bond near5 pad) and (imprint\$3 same polymer) and (solder near4 bump)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 11:16 |
| S12 | 5  | (US-20060211171-\$ or US-20060073344-\$ or US-20050221597-\$ or US-20050142345-\$).did. or (US-20050221597-\$).did.   | US-PGPUB;<br>DERWENT  | OR | ON | 2007/01/08 11:15 |
| S13 | 5  | S12 and polymer and (bond near5 pad) and (imprint\$3 same polymer) and (solder near4 bump)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 11:42 |
| S14 | 13 | (US-20040142575-\$ or US-20030146095-\$ or US-20040209355-\$ or US-20060216740-\$ or US-20040115696-\$ or US-20050142345-\$ or US-20060073344-\$ or US-20060211171-\$).did. or (US-6946322-\$ or US-7060224-\$ or US-6569382-\$ or US-6706473-\$ or US-6652808-\$).did. | US-PGPUB;<br>USPAT  | OR | ON | 2007/01/08 11:42 |
| S15 | 13 | S14 and polymer and (bond near5 pad) and (imprint\$3 same polymer) and (solder near4 bump)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 11:49 |

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|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S16 | 0  | S14 and (vibration or stamp or press or vibratory) same pad   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 11:58 |
| S17 | 1  | S11 and (vibration or stamp or press or vibratory) same pad   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 11:59 |
| S18 | 1  | (US-20050221597-\$).did.  | US-PGPUB  | OR | ON  | 2007/01/08 11:59 |
| S19 | 1  | S18 and (vibration or stamp or press or vibratory) same pad   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 12:00 |
| S20 | 1  | S18 and (vibration or stamp or press or vibratory) same pad and thermal same load                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 12:01 |
| S21 | 13 | ((("5753529") or ("6642081") or ("20040048459") or ("6255126") or ("6746938") or ("20030003724") or ("5674758"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/08 15:15 |
| S22 | 13 | ((("5753529") or ("6642081") or ("20040048459") or ("6255126") or ("6746938") or ("20030003724") or ("5674758"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/08 22:51 |
| S23 | 13 | ((("5753529") or ("6642081") or ("20040048459") or ("6255126") or ("6746938") or ("20030003724") or ("5674758"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/09 10:10 |
| S24 | 7  | S23 and conduct\$3 same (via or hole or post)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/09 10:25 |

## EAST Search History

|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S25 | 2      | ("20030203623").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/09 10:14 |
| S26 | 2      | S25 and conduct\$3 same (via or hole or post)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/09 10:14 |
| S27 | 5      | S24 and post   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/09 11:04 |
| S28 | 4      | S27 and dielectric   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/09 11:30 |
| S29 | 2      | S26 and dielectric   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/09 11:30 |
| S30 | 195157 | "438"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/09 11:33 |
| S31 | 26     | S30 and conduct\$3 same (post or column or pillar or (upright near3 support)) and substrate same front same back and dielectric same ((layer or (inter near2 layer)) same front same back) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/09 16:30 |
| S32 | 228    | conduct\$3 same (post or column or pillar or (upright near3 support)) and substrate same front same back and dielectric same ((layer or (inter near2 layer)) same front same back)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/09 14:22 |

## EAST Search History

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S33 | 28 | (US-20020024498-\$ or<br>US-20020012076-\$ or<br>US-20020119622-\$ or<br>US-20030197468-\$ or<br>US-20050001548-\$ or<br>US-20060246295-\$ or<br>US-20030011307-\$ or<br>US-20050023978-\$ or<br>US-20020195939-\$ or<br>US-20040173890-\$ or<br>US-20020027022-\$ or<br>US-20010050534-\$).did. or<br>(US-6184848-\$ or US-5990854-\$ or<br>US-5745086-\$ or US-6278422-\$ or<br>US-6747614-\$ or US-4052705-\$ or<br>US-7145524-\$ or US-6639355-\$ or<br>US-6784615-\$ or US-6657620-\$ or<br>US-6979950-\$ or US-7071621-\$ or<br>US-6118214-\$ or US-6538333-\$ or<br>US-6890829-\$ or US-6908856-\$).<br>did. | US-PGPUB;<br>USPAT  | OR | ON | 2007/01/09 15:53 |
| S34 | 28 | S33 and conduct\$3 same (post or<br>column or pillar or (upright near3<br>support)) and substrate same front<br>same back and dielectric same<br>((layer or (inter near2 layer)) same<br>front same back)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 17:56 |
| S35 | 28 | S33 and dielectric same ((layer or<br>(inter near2 layer)) same front<br>same back)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 17:52 |
| S36 | 23 | S33 and dielectric same ((layer or<br>(inter near2 layer)) same front<br>same back) same substrate  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 17:59 |
| S37 | 28 | S33 and conduct\$3 same (post or<br>column or pillar or (upright near3<br>support))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 18:18 |
| S38 | 23 | S37 and dielectric same ((layer or<br>(inter near2 layer)) same front<br>same back) same substrate  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 17:59 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S39 | 2      | (US-20040173890-\$).did. or<br>(US-6890829-\$).did.  | US-PGPUB;<br>USPAT  | OR | ON | 2007/01/09 18:05 |
| S40 | 2      | S39 and conduct\$3 same (post or<br>column or pillar or (upright near3<br>support)) and dielectric same<br>((layer or (inter near2 layer)) same<br>front same back) same substrate | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 18:49 |
| S41 | 2      | (US-20040173890-\$).did. or<br>(US-6890829-\$).did.  | US-PGPUB;<br>USPAT  | OR | ON | 2007/01/09 21:53 |
| S42 | 2      | S41 and conduct\$3 same (post or<br>column or pillar or (upright near3<br>support)) and dielectric same<br>((layer or (inter near2 layer)) same<br>front same back) same substrate | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:01 |
| S43 | 2      | S42 and metal  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 21:55 |
| S44 | 2      | S42 and (metal or metalizing or<br>metalatization)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 21:55 |
| S45 | 2      | S41 and conduct\$3 same (post or<br>column or pillar or (upright near3<br>support)) same substrate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:10 |
| S46 | 1      | (US-20050221597-\$).did.   | US-PGPUB  | OR | ON | 2007/01/10 12:03 |
| S47 | 0      | S46 and conduct\$3 same (post or<br>column or pillar or (upright near3<br>support)) same substrate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:10 |
| S48 | 195157 | "438"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:15 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S49 | 674 | S48 and conductive same post same substrate  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:18 |
| S50 | 36  | S49 and front same side same substrate and back same (side or area) same substrate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 10:08 |
| S51 | 36  | S49 and front same side same substrate and back same (side or area) same substrate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:18 |
| S52 | 6   | S48 and conductive same post same substrate and front same side same substrate same post and back same (side or area) same substrate same post   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:20 |
| S53 | 34  | conductive same post same substrate and front same side same substrate same post and back same (side or area) same substrate same post   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:26 |
| S54 | 36  | conductive same (post or via) same substrate and front same side same substrate same (post or via) and back same (side or area) same substrate same post and stack   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:27 |
| S55 | 55  | conductive same (post or via) same substrate and front same substrate same (post or via) and back same substrate same post and stack   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:36 |
| S56 | 46  | conductive same (post or column or support or pillar or prong or connector) same substrate and front same substrate same (post or column or support or pillar or prong or connector) and back same substrate same post and stack | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:38 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S57 | 124 | conductive same (post or column or support or pillar or prong or connector) same substrate and front same substrate same (post or column or support or pillar or prong or connector) and back same substrate same post | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 23:00 |
| S58 | 4   | (US-20040201095-\$ or US-20020155692-\$).did. or (US-6124198-\$ or US-6538333-\$). did.  | US-PGPUB;<br>USPAT  | OR | ON | 2007/01/09 22:38 |



# EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S59 | 124 | (US-20020097962-\$ or<br>US-20020039464-\$ or<br>US-20020028045-\$ or<br>US-20030148598-\$ or<br>US-20060281303-\$ or<br>US-20060281292-\$ or<br>US-20060278996-\$ or<br>US-20060278993-\$ or<br>US-20060278992-\$ or<br>US-20060278988-\$ or<br>US-20060278981-\$ or<br>US-20060278980-\$ or<br>US-20060278966-\$ or<br>US-20060281363-\$ or<br>US-20060281309-\$ or<br>US-20060281307-\$ or<br>US-20060281243-\$ or<br>US-20060281219-\$ or<br>US-20060278995-\$ or<br>US-20060278994-\$ or<br>US-20060278989-\$ or<br>US-20060278986-\$ or<br>US-20060250335-\$ or<br>US-20040113185-\$ or<br>US-20030160317-\$ or<br>US-20050072525-\$).did. or<br>(US-20050072526-\$ or<br>US-20040061229-\$ or<br>US-20030029610-\$ or<br>US-20040173890-\$ or<br>US-20020027022-\$ or<br>US-20060281296-\$ or<br>US-20050104219-\$ or<br>US-20030155583-\$ or<br>US-20060286871-\$ or<br>US-20020160598-\$ or<br>US-20020155692-\$ or<br>US-20040245214-\$ or<br>US-20060061008-\$ or<br>US-20050013088-\$ or<br>US-20050181544-\$ or<br>US-20040056956-\$ or<br>US-20060132383-\$ or<br>US-20050062119-\$ or<br>US-20050062117-\$ or<br>US-20040119162-\$ or<br>US-20060278331-\$ or<br>US-20050047145-\$ or<br>US-20060077155-\$ or<br>US-20060067644-\$ or<br>US-20060181772-\$ or<br>US-20030103836-\$ or<br>US-20050217707-\$).did. or<br>(US-20040035448-\$ or<br>US-20040023494-\$).did. or<br>(US-6845184-\$ or US-6785447-\$ or<br>US-6706546-\$ or US-6690845-\$ or<br>US-6684007-\$ or US-6611635-\$ or<br>US-6343171-\$ or US-4867007-\$ or | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:40 |
|-----|-----|--|---|----|----|------------------|

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S60 | 124 | S59 and front same substrate same (post or column or support or pillar or prong or connector) and back same substrate same(post or column or support or pillar or prong or connector) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:42 |
| S61 | 113 | S59 and front same substrate same (post or column or support) and back same substrate same(post or column or support)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 10:07 |
| S62 | 9   | S48 and front same substrate same post and back same substrate same post and Damascene  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 22:47 |
| S63 | 74  | conductive same (post or column or plug) same substrate and front same substrate same (post or column or plug) and back same substrate same post                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/09 23:18 |
| S64 | 9   | (US-20020160598-\$ or US-20020155692-\$ or US-20040173890-\$ or US-20020027022-\$).did. or (US-6569762-\$ or US-6538333-\$ or US-6444576-\$ or US-6020217-\$ or US-6124198-\$).did.   | US-PGPUB;<br>USPAT  | OR | ON | 2007/01/09 23:17 |
| S65 | 9   | S64 and conductive same (post or column or plug) same substrate and front same substrate same (post or column or plug) and back same substrate same post                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 00:08 |
| S66 | 3   | (US-20020160598-\$ or US-20040173890-\$).did. or (US-6538333-\$).did.   | US-PGPUB;<br>USPAT  | OR | ON | 2007/01/10 00:08 |
| S67 | 3   | S66 and conductive same (post or column or plug) same substrate and front same substrate same (post or column or plug) and back same substrate same post                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 00:14 |

## EAST Search History

|     |   |  |   |    |    |                  |
|-----|---|--|---|----|----|------------------|
| S68 | 3 | S67 and metal  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 00:14 |
| S69 | 3 | S67 and metal same substrate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 00:17 |
| S70 | 1 | S67 and metal same substrate same layer  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 00:15 |
| S71 | 3 | (US-20020160598-\$ or US-20040173890-\$).did. or (US-6538333-\$).did.  | US-PGPUB;<br>USPAT  | OR | ON | 2007/01/10 09:59 |
| S72 | 3 | S71 and conductive same (post or column or plug) same substrate and front same substrate same (post or column or plug) and back same substrate same post | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 09:59 |
| S73 | 3 | S72 and metal same substrate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 09:59 |
| S74 | 3 | S73 and front same substrate same (post or column or support) and back same substrate same(post or column or support)                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 10:07 |
| S75 | 3 | S74 and front same side same substrate and back same (side or area) same substrate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 10:36 |
| S76 | 3 | S71 and metal  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/10 10:37 |

## EAST Search History

|     |   |                                   |   |    |     |                  |
|-----|---|-----------------------------------|---|----|-----|------------------|
| S77 | 3 | S71 and metal and substrate       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 10:46 |
| S78 | 3 | S71 and metal same substrate      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 12:10 |
| S79 | 3 | S71 and metal                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 10:46 |
| S80 | 2 | ("20030203623").PN.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/10 12:03 |
| S82 | 2 | S80 and post                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 13:17 |
| S83 | 3 | S71 and conduct\$4 same substrate | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 12:55 |
| S84 | 2 | S80 and post and dielectric       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 12:20 |
| S85 | 3 | S83 and post and dielectric       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 12:20 |

## EAST Search History

|     |   |   |   |    |     |                  |
|-----|---|---|---|----|-----|------------------|
| S86 | 3 | S71 and post and dielectric                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 12:21 |
| S88 | 3 | S71 and dielectric                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 12:21 |
| S89 | 3 | S71 and (glass or powder or dielectric or insulat\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 12:58 |
| S90 | 3 | S71 and (glass or powder or dielectric)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 13:07 |
| S91 | 3 | S71 and (glass or powder or dielectric or ceramic)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 19:35 |
| S92 | 2 | S80 and post and dielectric                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 13:18 |
| S93 | 2 | ("20040266141").PN.                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/10 19:37 |
| S94 | 0 | S93 and second same laser                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 19:37 |

## EAST Search History

|     |   |   |   |    |     |                  |
|-----|---|---|---|----|-----|------------------|
| S95 | 0 | S93 and laser                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 19:37 |
| S96 | 2 | ("20040266147").PN.                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/10 19:37 |
| S97 | 1 | S96 and second same laser               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 19:38 |
| S98 | 0 | S96 and second same laser same directly | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 19:38 |
| S99 | 0 | S96 and directly                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/10 19:38 |